

In the Claims

1. (Currently Amended) A laser system, comprising:

at least a first laser source and a second laser source;

at least a first fiber coupled to the first laser source;

at least a second fiber coupled to the second laser source; and

a fiber switching device coupled to the first and second fibers, the fiber switching device configured to provide laser delivery from each of the first and second fibers [~~without additional optical alignment~~] a spot size adjustment device coupled to at least one of the first and second fibers.

2. (Previously Presented) The system of claim 1, further comprising:

a laser delivery device coupled to at least one of the first and second fibers.

3. (Previously Presented) The system of claim 2, wherein the laser delivery device is selected from, a laser slit lamp adapter, an indirect ophthalmoscope, a laser operating microscope, a direct ophthalmoscope, an intraocular probe, a scanning laser ophthalmoscope, a fundus camera, a laparoscope, an endoscope, a microscope, and a handheld laser delivery device.

4. (Canceled)

5. (Currently Amended) The system of claim 41, wherein the spot size adjustment device provides automatic sensing of at least one of an output end or an input end of the first and second fibers.

6. (Previously Presented) The system of claim 2, wherein the laser delivery device includes a spot size adjustment device

7. (Previously Presented) The system of claim 1, wherein the first and second fibers have different diameters.

8. (Previously Presented) The system of claim 1, wherein the fiber switching mechanism is selected from, manual, electromechanical and optomechanical.

9. (Previously Presented) The system of claim 1, wherein the first and a second laser sources are selected from a , diode laser, ion laser, dye laser, Ti:sapphire laser, Alexandrite laser, and solid state laser.

Claims 10-51 (Canceled)

52. (New) A laser system, comprising:
at least a first laser source and a second laser source;
at least a first fiber coupled to the first laser source;
at least a second fiber coupled to the second laser source;
a fiber switching device coupled to the first and second fibers, the fiber switching device configured to provide laser delivery from each of the first and second fibers without additional optical alignment; and
a spot size adjustment device coupled to at least one of the first and second fibers.

53. (New) The system of claim 52, wherein the spot size adjustment device provides automatic sensing of at least one of an output end or an input end of the first and second fibers.

54. (New) The system of claim 52, further comprising:
a laser delivery device coupled to at least one of the first and second fibers.

55. (New) The system of claim 54, wherein the laser delivery device is selected from, a laser slit lamp adapter, an indirect ophthalmoscope, a laser operating microscope, a direct ophthalmoscope, an intraocular probe, a scanning laser ophthalmoscope, a fundus camera, a laparoscope, an endoscope, a microscope, and a handheld laser delivery device.

56. (New) The system of claim 52, wherein the spot size adjustment device provides automatic sensing of at least one of an output end or an input end of the first and second fibers.

57. (New) The system of claim 54, wherein the laser delivery device includes the spot size adjustment device

58. (New) The system of claim 52, wherein the first and second fibers have different diameters.

59. (New) The system of claim 52, wherein the fiber switching mechanism is selected from, manual, electromechanical and optomechanical.

60. (New) The system of claim 52, wherein the first and a second laser sources are selected from a , diode laser, ion laser, dye laser, Ti:sapphire laser, Alexandrite laser, and solid state laser.

61. (New) A laser system, comprising:
at least a first laser source and a second laser source;
at least a first fiber coupled to the first laser source;
at least a second fiber coupled to the second laser source;
a fiber switching device coupled to the first and second fibers, the fiber switching device configured to provide laser delivery from each of the first and second fibers without additional optical alignment; and
a laser delivery device coupled to at least one of the first and second fibers, wherein the laser delivery device includes a spot size adjustment device.

62. (New) The system of claim 61, further comprising:
a laser delivery device coupled to at least one of the first and second fibers.

63. (New) The system of claim 62, wherein the laser delivery device is selected from, a laser slit lamp adapter, an indirect ophthalmoscope, a laser operating microscope, a direct ophthalmoscope, an intraocular probe, a scanning laser ophthalmoscope, a fundus camera, a laparoscope, an endoscope, a microscope, and a handheld laser delivery device.

64. (New) The system of claim 61, wherein the spot size adjustment device provides automatic sensing of at least one of an output end or an input end of the first and second fibers.

65. (New) The system of claim 61, wherein the first and second fibers have different diameters.

66. (New) The system of claim 61, wherein the fiber switching mechanism is selected from, manual, electromechanical and optomechanical.

67. (New) The system of claim 61, wherein the first and a second laser sources are selected from a , diode laser, ion laser, dye laser, Ti:sapphire laser, Alexandrite laser, and solid state laser.

68. (New) A laser system, comprising:
at least a first laser source and a second laser source;
at least a first fiber coupled to the first laser source;
at least a second fiber coupled to the second laser source; and
a fiber switching device coupled to the first and second fibers, the fiber switching device configured to provide laser delivery from each of the first and second fibers without additional optical alignment;
wherein the first and second fibers have different diameters.

69. (New) The system of claim 68, further comprising:
a laser delivery device coupled to at least one of the first and second fibers.

70. (New) The system of claim 69, wherein the laser delivery device is selected from, a laser slit lamp adapter, an indirect ophthalmoscope, a laser operating microscope, a direct ophthalmoscope, an intraocular probe, a scanning laser ophthalmoscope, a fundus camera, a laparoscope, an endoscope, a microscope, and a handheld laser delivery device.

71. (New) The system of claim 68, further comprising:
a spot size adjustment device coupled to at least one of the first and second fibers.

72. (New) The system of claim 71, wherein the spot size adjustment device provides
automatic sensing of at least one of an output end or an input end of the first and second fibers.

73. (New) The system of claim 69, wherein the laser delivery device includes a spot size
adjustment device

74. (New) The system of claim 68, wherein the first and second fibers have different
diameters.

75. (New) The system of claim 68, wherein the fiber switching mechanism is selected
from, manual, electromechanical and optomechanical.

76. (New) The system of claim 68, wherein the first and a second laser sources are
selected from a, diode laser, ion laser, dye laser, Ti:sapphire laser, Alexandrite laser, and solid state
laser.